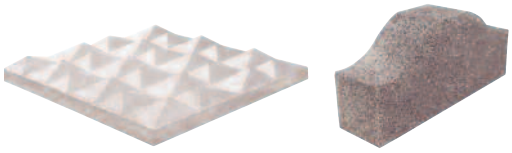
AGGREGATE INDUSTRIES

Landscaping

Charcon Elite deterrent paving



OHS61759 FM96927 EMS96928

Elite not only effectively achieves the functional requirement of a deterrent paving block, but also offers aesthetic appeal.

- **Designed for use in areas where pedestrian or vehicle access is discouraged**
- **Available in 2 formats**
  - **Format 2 -** pedestrian access deterrent, defining footway 'no go' zones and providing a traffic calming component as rumble strips
  - **Format 3 -** deterrent paving for all environments in which pedestrian or vehicular traffic needs to be discouraged
- **Not designed for traffic although occasional overrun is acceptable. The nature of the product suggests a deterrent to pedestrians and vehicles and care should be taken when trafficking.**

Applications

Elite deterrent paving is designed for use in areas where pedestrian or vehicle access is discouraged. For correct choice of product to suit your application, refer to technical services department for advice:
Tel: 01335 372222.

Manufacturing standard

Elite format 2 block paving is manufactured using a semi-dry process and is manufactured in accordance with and complies with all relevant sections of BS EN 1338: Precast Concrete Blocks – requirements and test methods.

Elite format 3 is manufactured using a wet cast process and generally manufactured in accordance with BS EN 1339.

Aggregate Industries fully operates an accredited Quality Assurance scheme, certified to BS EN 9001:2008 which is independently and regularly assessed by BSI (British Standards Institution). All Charcon manufacturing sites are also certified to BS EN 14001 Environmental Management Systems.

Performance with slip resistance

Not applicable.

Complementary products

All Aggregate Industries pavers.

Colour swatches

1. Grey
2. White

Elite deterrent paving

Size (mm)	298x80	600x600
Format	2	3
Thickness (mm)	90 132	74
Weight (kg)	5.8	48.8
Units/m² (approx)	42.0	2.77
No. per pack	140	24
M²/pack (approx)	3.33	8.67
Pack weight (T)	0.81	1.10
Colour available	Gy	W
Chamfered	No	No

Gy Grey / W White

NBS Plus

Q25. For NBS clauses, refer to Aggregate Industries technical services

Charcon Elite deterrent paving

General principles

Installation design for Elite Deterrent block paving varies according to the following factors:

- Application type (eg. footway or carriageway fitment)
- Specific traffic control needs
- Block type: Format 2 or 3.

Application types

- Format 2: (aggressive profile) anti-vehicular/unauthorised trolley removal deterrent
- Format 3: Deterrent paving for all environments.

Laying design

The intended deterrent surface is created by laying blocks as follows:

- Format 2: Half or third-bonded. The latter creates easier-to-sweep channels for litter/dirt removal
- Format 3: Lay as Category 4 paving BS 7533 Part 4. Refer to flag paving installation details (page 52).

Design detailing

Detailed drawings are available on request from Aggregate Industries.

Contact Technical Services Department on: Telephone 01335 372222.

Installation design

Edge restraints

Suitable kerbing or edge restraints are required. Most proprietary kerbing, channelling or edging systems are suitable, including the following Aggregate Industries systems:

- Countryside Classic kerb
- Block kerb
- British Standard kerb.

These should be bedded in concrete and haunched (see Design considerations and installation in kerb section, pages 84-87).

Sub-grade

As for adjoining paved areas.

Sub-base

Material: granular sub-base type 1.

Compacted depth

- 100 mm for footway applications (or as per relevant Local Authority specification).

For carriageway or access way (trolley deterrent) applications, sub-base depth is dependent on overall design of specific carriageway/access way (but 150 mm min.).

Bedding

Material: cement/sand mortar (1:3 mix)

Compacted depth:

- Format 2 – 30mm
- Format 3 – 25mm.

Tamp down with a paviour's maul to ensure firm bedding into mortar.

Charcon Elite deterrent paving

Sustainability and local sourcing

Energy use: Aggregate Industries is at the forefront of sustainability and has committed to reduce carbon emissions by 20% by 2016 based on a 2012 base line.

Recyclable: 100% of the product can be recycled thus reducing the amount of material that is sent to landfill.

Manufacturing location: Produced in the UK, with locally sourced materials under strict environmental and social legislation, for local supply.

Responsible sourcing: Aggregate Industries is the first company in the world to achieve a BES 6001:2008 Responsible Sourcing Certificate from BRE Global. Products are assessed on:

- quality management
- environmental management
- health and safety management
- greenhouse gas emissions
- minimising raw material usage
- labour practice
- biodiversity
- community engagement.

Key aggregate and recycled content

Elite deterrent paving is manufactured using quartzite aggregate and binders.

Generic green guide rating

Concrete block pavers, CBP (80mm) over prepared recycled sub-base - **A rated.**

Concrete block pavers, CBP (80mm) over prepared sub-base - **B rated.**

Concrete paving flags (60mm with a prepared recycled sub-base) - **A+ rated.**

Concrete paving flags (60mm with a prepared sub-base) - **A rated.**

Policies

Aggregate Industries' policies on the environment and community, health and safety and sustainable solutions for different product applications can be viewed on our website www.aggregate.com

Design and installation

For pavement design guidance please contact our technical department on 01335 372222.

Maintenance and cleaning

Aggregate Industries can supply on request advice on specific stain removal and general maintenance, suitable cleaning products and referrals to specialist cleaning companies.

COSHH data

Full COSHH data on the Charcon range of products is available on request. Please call the technical helpline on 01335 372222.

Technical support

Detailed guidance and assistance with the preparation of specification of the Charcon range of hard landscaping products, including model clauses, is available through the sales office. A free technical design service is also available.

For further information, please refer to our technical services on 01335 372222.

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